

How will you promote working scientifically skills in your lessons?

Here are the ideas you came up with.

- Link skills to real world scenarios /applications
- Through practicals that are linked to science capital and relating them to real-world situations
- Frequent practicals that focus on different scientific skills. For example) colour identification, accurate measurements, health & safety.
- By promoting discussion in the classroom, practical lessons to develop key skills such as accuracy and precision and ensuring students are thinking about the topics by asking open questions.
- Highlight to students what skills you are developing. Ensure you language and time allocation indicated that you consider skills to be at equal footing with knowledge/understanding. Use PBL or EBL wherever possible, especially in a practical session.
- Record observations
- Combining WS questioning into most lessons to continually develop skills
- Asking open questions to stimulate scientific thinking and promote good practice
- Generate a hypothesis & plan a mini investigation
- practical lessons, proper instruction, being enthusiastic and engaging, explain the purpose of activities and relate to something the students can relate to
- Built in, not bolt on- in the way you talk about scientific principles/ideas, in presenting the history of these principles, in the way you as a teacher conduct the class' questioning and discussion, etc.
- demonstrating using models
- Higher-Tier/open questioning Practical work that student's take the lead on. Learning scientific phrases such as "error" or "accuracy" earlier.
- highlight the importance of scientific skills
- Through the use of practicals
- Clarity, consistency and questioning
- Activities that aren't just a case of showing the students but asking them to analyse and evaluate outcomes
- Applying scientific skills to skills outside of the lesson eg. Future jobs/different subjects
- Well planned practicals
- Using questioning to challenge their theories and opinions (whys/discussions)
- Promote correct use of scientific language